

PRODUCT SPECIFICATIONS

Anti-Vibration Straight SMP Surface Mount Plug Receptacle

40480108300018(48-17-3-TGG)



Electrical

Impedance	50 Ω
Frequency Range	DC to 18 GHz
V.S.W.R	1.3 max. @15 GHz
Insertion Loss	0.5 dB max.
Voltage Rating	335 volts rms. at sea level
Dielectric Withstanding Voltage	500 volts rms. at sea level
Insulation Resistance	5,000 Megohms min.
Contact Resistance	Center contact = 6.0 Milliohms max. Outer contact = 2.0 Milliohms max.
Power Handling	220W

Mechanical

Mechanical	1/4"-36 Threaded coupling
Durability	500 Cycles
Center contact retention	2.2 lbs Axial force mating end

Material

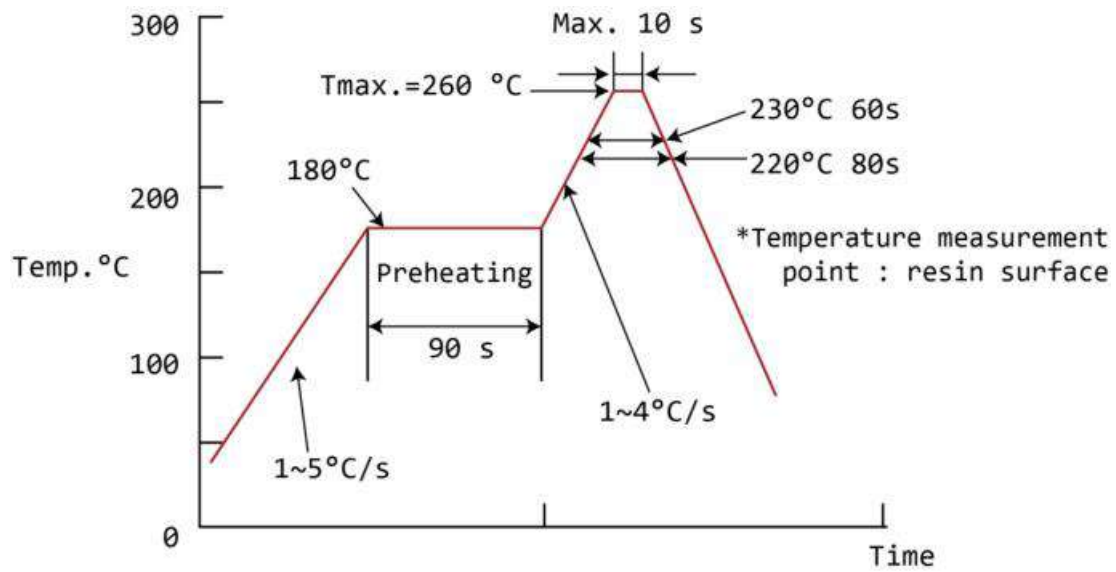
Connector Body	Brass
Center Contact	Brass
Insulation	PTFE

Environmental

Temperature	-65°C to 165°C
Vibration	Refer to MIL-STD-202 Method 204 Test Cond. G.
Salt Spray	Refer to MIL-STD-202 Method 101 Test Cond. B.

Recommended Soldering Conditions

Reflow



Recommended temperature profile of infrared reflow

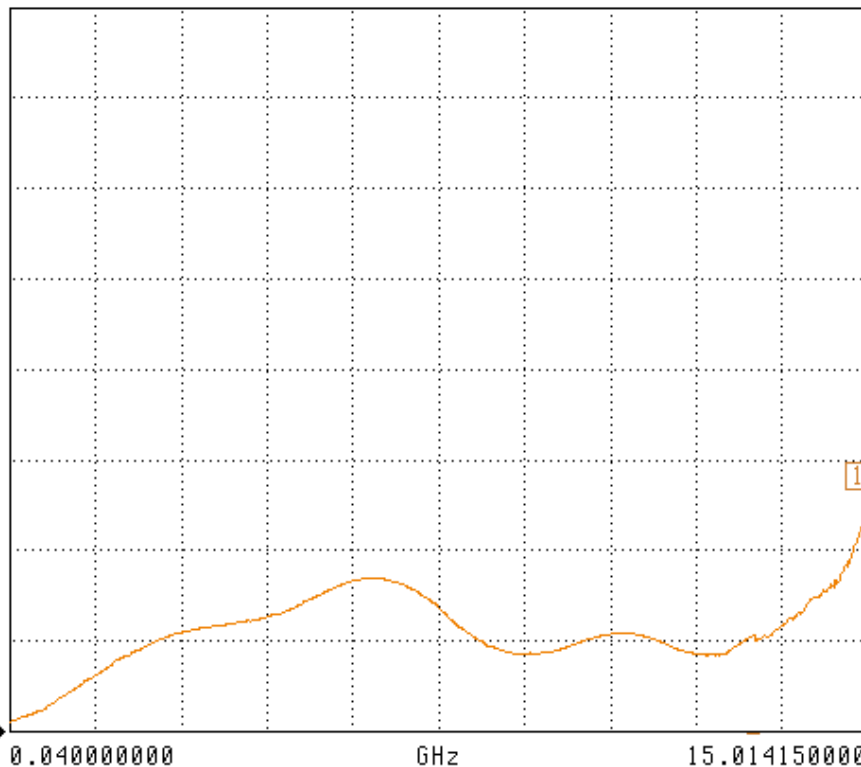
Test Report

S11 FORWARD REFLECTION

SWR

REF=1.000 U

100.000 mU/DIV



CH 1 - S11
0.0000 mm REF
0.000 dB OFFSET
0.00° OFFSET

MARKER 1
15.014150000 GHz
1.247 U

MARKER TO MAX
MARKER TO MIN

MARKER READOUT
FUNCTIONS